RUST-OLEUM®

CONCRETE SAVER® FLEXIBLE JOINT SEALANT

DESCRIPTION AND USES

Rust-Oleum® Flexible Joint Sealant is a two-component, rapid curing, 1:1 ratio, self leveling, 100% solids, flexible system that provides 10-15% movement of installed joint width. This product can be used at temperatures between -40 to 120°F (-40 to 49°C).

Flexible Joint Sealant is used to fill interior control joints or new construction saw cuts on horizontal concrete surfaces. It is designed for industrial floor applications receiving heavy duty vehicle traffic. Flexible Joint Sealant can be used for interior expansion joints with the maximum joint width not to exceed one inch. It can be used on exterior applications when minimal joint movement from thermal cycling will occur. Joints can be opened to traffic in 90 minutes at 72°F (22°C).

PRODUCTS

SKU	Description
261998	9 oz Flexible Floor Joint Sealer
266733	22 oz Flexible Floor Joint Sealer
261292	Caulk Gun (9 oz)

COMPANION PRODUCT

257397	Replacement Static Mixers

JOINT PREPARATION

Remove all dust, debris, oil and any other contamination from the construction and/or saw cut joints. For best results re-cut the joints with a dry diamond blade. Joints must be clean and dry. Fill deep cracks with backer rod before applying the joint sealant. The minimum depth of the joint should be twice the width with a minimum depth of ½ inch. Dispense material into joint so that material is slightly higher than the face of the concrete. Allow the product to set for approximately 45-90 minutes at 75° F. Then use a sharp razor scraper to shave excess material from top of slab.

LIMITATIONS: Floor Joint Sealant is not intended for joints that are subject to high movement on exterior applications. This is a moisture sensitive product during and prior to full cure. Joints must be clean and dry to facilitate a strong bond.

Note: 22 oz Flexible Joint Sealant comes in a side by side dual component cartridge. It is compatible with any standard 22 oz. dispensing tool.

CARTRIDGE SET-UP

IMPORTANT: Shake cartridge vigorously for 1 minute, then stand cartridge upright for 1 minute. During set-up of cartridge and initial dispensing of material, keep cartridge and nozzle assembly pointed straight up. AFTER the initial shot of material, do not point the cartridge upward to prevent material in nozzle from flowing back into cartridge.

The two components are supplied in a dual cartridge and mixed simultaneously through a static mixing nozzle. While preparing cartridge for dispensing, keep cartridge in upright position to prevent material from leaking out of cartridge. Do not tilt cartridge until material is ready to be applied to the repair area.

APPLICATION

Insert cartridge into dispenser. Make sure it is properly positioned with shoulder of cartridge flush with front/top bracket of the dispenser. Remove plastic cap from the top of the cartridge. Place the mixing nozzle onto the cartridge and secure by threading in a clock-wise direction. Make sure that the nozzle and cartridge assembly is secure. Point nozzle straight up and slowly apply pressure to the dispenser, moving product up and through the nozzle until it reaches the tip. Then dispense 1 stroke of material into a rag or disposable container (1-2 quick bursts if using an air tool) and discard. After purging keep the cartridge pointed downward or horizontal to prevent mixed material in the nozzle from flowing back into the cartridge.

Place the mixing nozzle directly over the crack, joint, or repair area. Dispense material using full smooth trigger pulls (no short choppy strokes) and allow material to gravity feed into the crack/joint. Fill the crack/joint or over-fill the crack/joint so that material is slightly higher than the face of the concrete slab you are repairing. Allow the product to set for approximately 45-90 minutes (at 75°F) and then use a sharp razor scraper to shave excess material from the top of slab.

FOR SOLVENT-BASED TOPCOATS - You MUST wait a minimum of 24 hours prior to priming. A premium water-based primer that is compatible with solvent-based coatings, such as Zinsser® Bulls-Eye 1-2-3® or XIM® UMA® Advanced Technology Primer•Sealer•Bonder must be used prior to the application of a solvent-based topcoat.

FOR ALL OTHER TOPCOATS- Wait a minimum of 4 hours before priming or top coating.

CLEAN-UP

Clean up immediately with xylene. Rust-Oleum 160 Thinner or MEK may be substituted.

Form: GDH-379
Rev.: 022018

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COVERAGE CHART

Joint Size	Lineal Feet (9 oz.)	Lineal Feet (22 oz.)
1/8" x 1"	10.3	26.7
1/8" x 1¼"	8.3	21.3
1/8" x 1½"	6.9	17.8
1/8" x 1¾"	5.9	15.2
3/16" x ¾"	9.2	23.7
3/16" x 1"	6.9	17.8
3/16" x 1¼"	5.5	14.2

Joint Size	Lineal Feet (9 oz.)	Lineal Feet (22 oz.)
3/16" x 1½"	4.6	11.9
3/16" x 1¾"	3.9	10.2
1/4" x 1"	5.2	13.3
1/4" x 1¼"	4.1	10.7
1/4" x 1½"	3.4	8.9
1/4" x 1¾"	3.0	7.6
1/2" x 1"	2.6	6.7

CHEMICAL RESISTANCE CHART

CHEMICAL (REAGENT)	RECOMMENDED FOR CONTINUOUS SERVICE	LIMITED RECOMMENDATION (OCCASIONAL SPILLS)
Acetic Acid (10%)	X	
Acetone		X
Bleach		X
Bleach (10%)	X	
Citric Acid (5%)	X	
Crude Oil	X	
Motor Oil		X
Gasoline		X
Diesel Fuel	X	
Skydrol		X
Hydraulic Oil	X	
Ethylene Glycol		X
Fatty Acids	X	
Water (Room Temperature)	X	
NaCl (10%)	X	
Hydrochloric Acid (10%)	X	
Lactic Acid(5%)	X	
Methyl Ethyl Ketone		X
Nitric Acid (1%)	X	
Phosphoric Acid (10%)		X
Sodium Hydroxide (20%)	X	
Sulfuric Acid (20%)	X	
Toluene		X
Urea (50%)	X	
Vinegar	X	
Xylene		X

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TECHNICAL DATA
CONCRETE SAVER® FLEXIBLE JOINT SEALANT

PHYSICAL PROPERTIES

		POLYUREA FLOOR JOINT SEALER		
Resin Type		Two-component Polyurea		
Color		"A" Component (ISO) - Amber	"B" Component (Poly) - Gray	Mixed - Concrete Gray
Weight	**Per Gallon**	10.67 lbs.		
	Per Liter	1.28 kg		
Solids	**By Weight**	100%		
	By Volume	100%		
Volatile Organic Compounds*		1.72 g/l (0.014 lbs./gal.) MIXED		
Practical Coverage* (22 oz. cartridge)		¼" joint x 1" depth; 13.3 feet		
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	**Light Traffic**	90 minutes		
	Heavy Traffic	12-16 hours		
Storage Stability		Unopened containers at 60-90°F		
Shelf Life		18 months		
Flash Point		NA		
Safety Information		**FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE SAFETY DATA SHEET (SDS) AND LABEL FOR ADDITIONAL SAFETY INFORMATION.**		

TECHNICAL DATA

PROPERTIES	ASTM	RESULTS
Tensile Strength (psi)	D412	1,200 psi
Elongation	D412	82%
Bond Strength (psi)	C882	400 psi
Shore A Hardness	D2240	75-80A
Adhesion to Concrete	D4541	275 psi
Abrasion Resistance		Excellent
Viscosity of Resin (ISO component)		600 cps at 77°F
Viscosity of Hardener (POLY component)		460 cps at 77°F
Gel-Time / Cure Time		3 minutes (100 gram mass) / 90 minutes
Note: Higher temperatures and larger quantities will shorten the gel-time. Lower temepratures and smalleer quantities will lengthen gel-time.		